

Radio Equipment Worth \$1000 Stolen From WMIT; Police Investigation Underway, But No Arrests Made; Judicial Committee Awaits Official Station Complaint

N.S.A. Plans To Send Group To International Conference, Reinstates Letter Exchange

The United States National Student Association is planning to send a delegation to participate in the Fourth International Student Conference to be held January 8-15, 1954, in Istanbul, Turkey. Among those attending will be James Edwards from the University of Illinois and Leonard Bechick of Cornell University, the NSA's President and Vice-President for International Affairs respectively.

Participating in this year's Conference will be the representatives of the National Unions of Students of forty nations throughout the world. The first such meeting was held in Stockholm, Sweden, in December, 1950, after a number of National Unions of Students had decided that Communist domination of the International Union of Students made fruitful cooperation with it impossible.

Aid Team Proposed
The NSA, delegation will recommend that a twelve man international

team be sent to assist the student groups in India and Pakistan. Eight of these, experts in student skills, will aid in the development of student co-
(Continued on page 4)

Chandeluminaire In Great Dome Is Largest Of Kind

What is believed to be the largest suspended electrical lighting unit ever installed is now serving the Engineering Library.

It hangs 51 feet below the skylight of the great dome in the room which, until completion of the Charles Hayden Memorial Library Building, served as the Central Library.

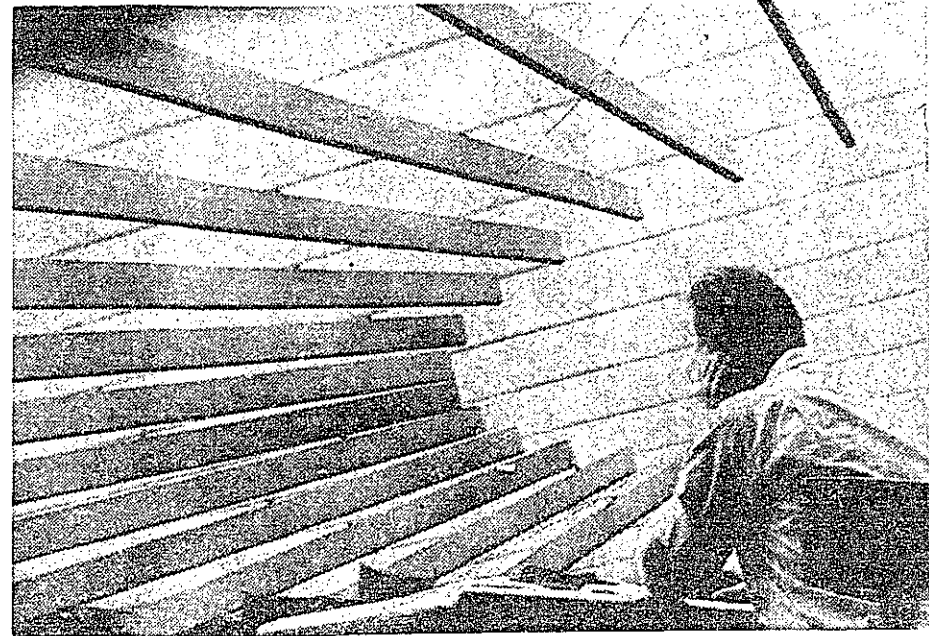
The new lighting unit consists essentially of a great dish of corrugated translucent plastic 48 feet in diameter, above which are mounted 236 fluorescent lamps, using about 14 kilowatts of power. The unit, which weighs 16 tons in all, hangs from a framework of steel attached at 12 points to the structural concrete of the dome.

In addition to lamps and diffuser, the fixture includes 28 light metal hollow acoustical baffles each 16 feet long. It is suspended almost 14 feet above the library floor.

The F. W. Wakefield Brass Co. of Vermilion, Ohio, which cooperated with the Institute in developing the new fixture, believes it is the largest
(Continued on page 4)

An estimated \$1000 worth of electrical equipment was stolen from station WMIT during the Christmas vacation.

Early in the morning of Thursday, December 24, the station's control room (located in the basement of Ware on East Campus) was entered, apparently without the door having been forced, and a number of items of key importance in broadcasting taken.



Reading Made Easier With New Lighting System

The largest and heaviest pieces of equipment taken were the working parts of the station's two console turntables. In addition, a monitor amplifier (similar to a modern audio amplifier), two tone arms, three variable reluctance phonograph cartridges, two vacuum tubes from a line amplifier, a desk microphone, and a partially wired chassis for a remote pickup amplifier were stolen. Station authorities have not yet completed a check of station equipment and it is possible that still more equipment is missing. None of the station's equipment is insured.

The theft was discovered early on Christmas eve by WMIT's classical music director, David Sternlight '54. The news was immediately reported to Professor Holt Ashley, East Campus faculty resident, and Dr. James R. Killian, president of the Institute. Dean of Students E. Francis Bowditch was contacted at his New Hampshire residence, and he and other representatives of the Institute advised bringing the police into the case.

Later in the week the police tested the WMIT studio for latent fingerprints, but when contacted by representatives of *The Tech* police refused to comment on any aspect of the case except to say that an investigation was under way and that no arrests had yet been made. However, the police promised to make some statement as soon as arrests had been made.

Lock Not Forced

Station authorities noted that the thief or thieves were careful to throw only the switches necessary to isolate the stolen equipment from the rest of the studio's circuitry. In addition, the lock on the control room door showed no signs of having been forced. The lock was not of the kind that could be sprung by rapid clockwise rotation of the doorknob, and a heavy metal plate in the doorframe would have prevented any attempt to spring the latch with a piece of wire.

In an interview with *The Tech* yesterday Dean Bowditch said that the Institute's role in the investigation would follow precedent. He stated that he had advised officials of WMIT to
(Continued on page 4)

Railroaders' Club To Show 4 Films On Next Thursday

The M.I.T. Electric Railroaders' Association, a group devoted to the study of transit and railroads, will show four color sound movies produced by the General Electric Company, at their meeting on Thursday, January 7, 1954 at 5:00 p.m. in room 5-108. There will be no charge and the program is open to the public.

The following films will be shown: "Going Places," which points out that the essence of the traffic congestion problem lies in the attempt to move traffic when the basic intent is to move people. The film illustrates how a well-planned, efficient public transportation system can eliminate unnecessary automobile traffic and alleviate parking problems in heavily congested downtown areas.

"Lifestream of the City" attempts to relate a planned transportation system to healthy municipal growth, and demonstrates that the only effective remedy for the clogged arteries of urban America is an adequate, modern transit system.

"Shining Rails" is a story of the railroad. This film traces the evolution of locomotive power from steam through electric and diesel-electric to the latest gas-turbine electric. Emphasis is given to the way in which these developments have kept pace with the ever-growing demands of the nation. The picture also offers a glimpse of the operational mechanics of the nation's complex railway networks, accenting the many applications of electricity.

A complete freight train wending its way through a busy main street, side by side with the heavy automobile traffic is shown in "Railroadin' Downtown." This film is the story of the curious operations of the Union Freight Railroad and its switch from steam engines to diesel-electric locomotives.

New Device Developed Here Traces Raindrop Formation

Clouds may yield their life histories to a new cloud spectrograph developed by meteorologists at the Institute.

Professor Delbar P. Keily, associate professor of meteorology, and two assistants, Dr. John C. Johnson of Marblehead (now on the Tufts College staff) and Ralph G. Eldridge of Quincy, told last week of a one-month successful trial operation of their new equipment for measuring cloud drop sizes on Mount Washington this fall. Technical details were presented at the national meeting of the American Association for the Advancement of

Science in Boston last week.

Size Determined

The new equipment, developed in the Department of Meteorology under sponsorship of the Geophysical Research Directorate of the Air Force Cambridge Research Center, determines the size and number of drops "smaller than have been measured before," Professor Keily says. It estimates the size and number of droplets as small as 4/10,000ths of an inch in diameter; a cubic inch of ordinary cloud may contain 500,000 such tiny droplets, each less than 1/100 the size of the smallest drops in a drizzly rain.

Clouds are formed when invisible water vapor collects into visible droplets of water, at first very small. These tiny droplets, says Professor Keily, "contain the key to the mystery of how clouds grow — they are the critical stage in the process by which water in the atmosphere goes from invisible vapor to drops large enough to be rain."

Such tiny drops, says Professor Keily, are believed to exist for a short time; they must either grow larger or evaporate. The new instrument is important because it will allow meteorologists to study the behavior of very small droplets, closer than ever to these critical sizes which are the true ancestors of raindrops.

Brightness Change Measured

Professor Keily and his associates call the new equipment a "variable frequency infrared cloud transmission meter." It consists of an electric eye looking through a part of the cloud in question toward a light source about four feet away. The eye measures the changes in brightness of the light source caused by intervening droplets of the cloud. The light source is invisible "infrared" radiation, chosen because it undergoes large changes on passing through a cloud of very small droplets.

To find the actual sizes of drops, observations of brightness made with the cloud spectrograph must be compared to intensities derived from theoretical data. The theoretical computations, the key to the usefulness of the new device, were originally
(Continued on page 4)

Chapel Plays Major Role In Current Spiritual Program

by Daniel B. Schneider '57

The following is the second in a series of articles tracing and relating the current administration and T.C.A. policies pertaining to religious growth on the M.I.T. campus.

It was during the time of the late Dean Everett M. Baker's presence at the Institute, and immediately following his death, that the administration felt that one of its obligations to the students, pertaining to the development of campus life, was not being fulfilled.

They were of the opinion, as was Dean Baker, that the development of the students' spiritual life was being neglected. As declared by Emmanuel Otis '54, president of T.C.A., the administration felt that it was their responsibility to "furnish examples of good and proper living, and to develop the best possible community to live in." The new chapel, which is to be erected soon, is symbolic of this community, and is the first major step in the realization of Dean Baker's great objective, that of developing religious feeling on campus.

Receive Kresge Foundation Grant

In 1950 the decision was made to approach the Kresge Foundation for a large grant of money which would be used to establish a school of human relations, to help expand the work of T.C.A. along religious lines, and to erect a much needed auditorium and a desired chapel. Out of the subsequent application, the Kresge Foundation

selected the auditorium and chapel combination as the specific objective for its gift of one and one-half million dollars.

This chapel is not to become a church in the strict sense of the word, but is to be a strictly non-sectarian devotional space. The chapel is deliberately being made small (it will seat about 125) so that it can be used often, primarily by the various denominational groups.

Chaplain Will Be Necessary

It is generally felt that there will have to be an individual who will serve in the capacity of Chaplain or Dean of the Chapel, whose job will be correlation of spiritual activities on campus and the operation of the chapel. One of many prevailing ideas is that the new chaplain would be a scholar and would fit into the human-
(Continued on page 2)

Beaver Ski Team Trains In Quebec For Its First Meet

During the Christmas Vacation the Beaver Ski team drove to Lacbeaufort, Quebec, 14 miles north of Quebec City, Quebec.

The team practiced slalom, jumping, and downhill during daylight hours and cross-country after dark. There was plenty of snow on the steep slopes and the weather was cold, even for skiing. On New Year's Eve the mercury dipped to 35 degrees below zero.

This year's team, led by Captain Stewart W. Smith '54, represents nine countries: England, France, Belgium, Netherlands, Germany, Austria, Bulgaria, Norway and the U. S. The squad is being readied for their first meet in the beginning of February by their coach, Professor Earl R. Marshall of the metallurgy department.

The Tech

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NO. 50

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Calendar of Events

from January 5 through January 13, 1954

TUESDAY, JANUARY 5

Metallurgy Department. Colloquium: "Grain Growth in Theory and Practice." Prof. Morris Cohen. Room 35-225, 4:00 p.m.
 Christian Science Organization. Subject: "Courage." Tyler Lounge, Walker Memorial, 5:15 p.m.

WEDNESDAY, JANUARY 6

Electrical Engineering Department. Colloquium: "The Photomultiplier and Its Applications." Dr. G. A. Morton, David Sarnoff Research Center, Radio Corporation of America. Room 6-120, 4:30 p.m. Refreshments in Room 6-321 at 4:00 p.m.
 Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "New Methods for the Separation of Gaseous Isotopes." Prof. W. E. Groth, Institute for Physical Chemistry, Bonn University, Germany. Room 6-120, 8:00 p.m.

THURSDAY, JANUARY 7

Physics Department. Colloquium: "The Quantum Mechanical Solution of a Problem in Classical Crystal Physics." Dr. Per-Olov Lowdin. Room 6-120, 4:15 p.m.
 Lecture Series Committee. Films: "The Pearl" and "Pluto and the Gophers." Room 1-190, 5:00, 7:30, and 9:30 p.m. Admission: 30 cents.
 M.I.T. Electric Railroaders' Association. Films: "Lifestream of the City," "Shining Rails," "Going Places," and "Railroadin' Downtown." Room 5-108, 5:00 p.m.
 School of Architecture and Planning. Films: "Art and Architecture." Room 7-427, 8:00 p.m.

FRIDAY, JANUARY 8

Mechanical Engineering Department. Seminar: "Fluid Flow in Turbo-Machinery." Prof. Robert C. Dean. Room 3-370, 4:00 p.m. Coffee in Room 3-174 from 3:30 - 4:00 p.m.
 Lecture Series Committee. Lecture: Robert Vogeler will talk on his experiences as a prisoner of the Hungarian Communists. Room 10-250, 5:00 p.m.
 M.I.T. Hillel Foundation. "Oneg Shabat." Lecture: "Knowledge Is Where You Find It." Dr. Vernon D. Tate. Hayden Library Lounge, 8:00 p.m.

SUNDAY, JANUARY 10

M.I.T. Hillel Graduate Society. Lecture: "The World of Yiddish Literature." Dr. Irving Howe, Brandeis University. Harvard Hillel House, 5 Bryant Street, Cambridge, 7:45 p.m.

TUESDAY, JANUARY 12

Committee on Machine Methods of Computation. Seminar: "Some Aspects of Numerical Integration of Ordinary Differential Equations." Dr. Per-Olov Lowdin. Room 12-182, 4:00 p.m.
 Metallurgy Department. Colloquium: "Thermodynamic Properties of Iron Blast Furnace Slags." Prof. John Chipman. Room 35-225, 4:00 p.m.
 Christian Science Organization. Subject: "Fatigue." Tyler Lounge, Walker Memorial, 5:15 p.m.

WEDNESDAY, JANUARY 13

Electrical Engineering Department. Colloquium: "Dielectrics as Circuit Elements." Prof. A. R. von Hippel. Room 6-120, 4:30 p.m. Refreshments in Room 6-321 at 4:00 p.m.

EXHIBITIONS

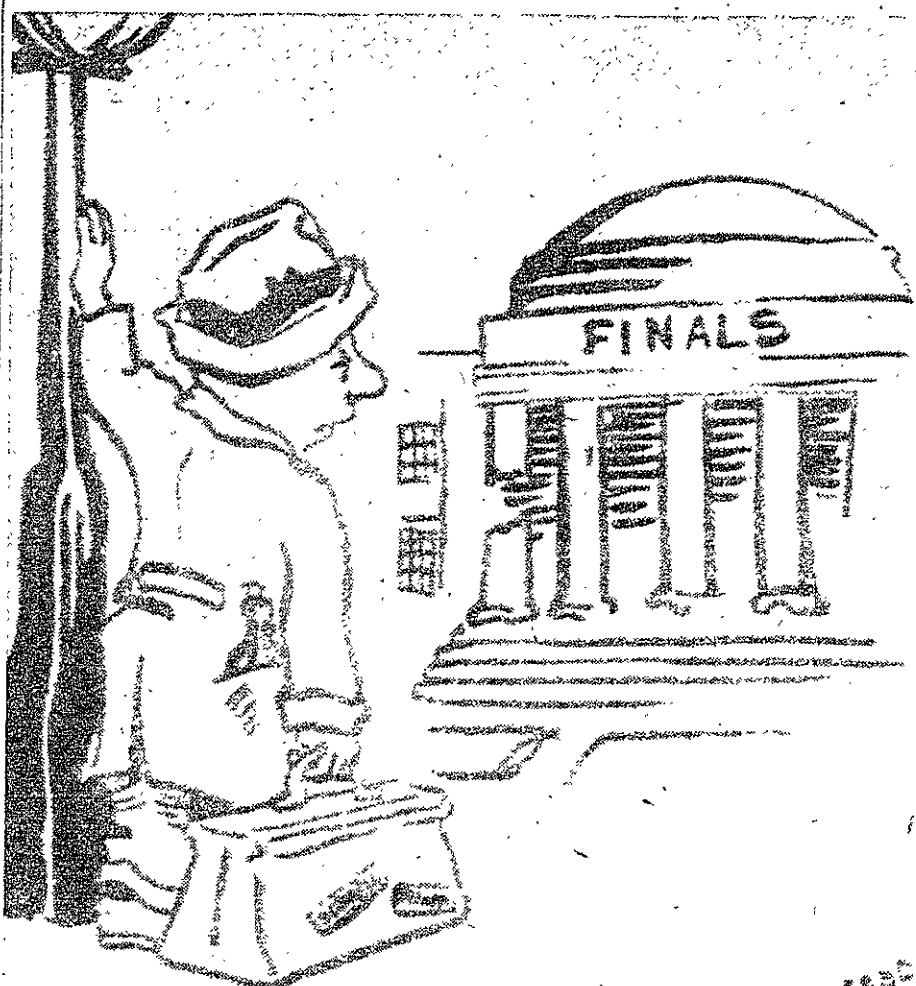
An exhibition of four American painters (Ralph Coburn, T. Lux Feininger, David Park, Emerson Woelffer) will be on view in the New Gallery of the Charles Hayden Memorial Library from January 6 - January 30. Hours: Monday through Friday, 9:00 a.m. - 5:00 p.m.; Saturday, 2:00 - 5:00 p.m.

Photographic Salon prints by Mr. Duane Litwiller of Boston, Massachusetts, will be on display in the Photo Service Gallery, Basement of Building 11, through January 11.

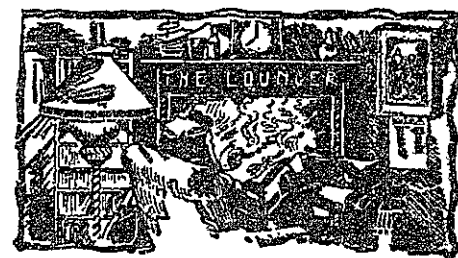
The Photo Service Gallery will feature Photographic Salon prints by Mr. Charles B. Buker of Franklin, Michigan, from January 11 - January 31.

CALENDAR OF EVENTS

The Calendar of Events appears in THE TECH on Tuesday with announcements for the following eight days (Wednesday through Wednesday). Notices, typewritten and signed, must be in the office of the editor, Room 7-204, not later than noon on Thursday prior to the date of publication. Material for the Calendar of January 13 - 20 is due January 7.



Happy New Year!



Vacation was at last upon us, and our heart was filled with sorrow at leaving the glorious Institute. "Well, if they insist on tearing us away from our fascinating work for the sake of a miserable vacation, I guess we'll have to go along," we thought.

And so it was with a sorrowful cry that we heaved our four suitcases, six briefcases, and complete high-fidelity outfit upon our burdened shoulders, and boarded the M.T.A. for South Station.

At the South Station subway stop, we unloaded our burdens, and prepared to climb what is probably the world's only vertical escalator. We placed our luggage ahead of us, and then climbed on. We had gone only about ten feet up the escalator when the luggage began to slip, and us along with it. Only a fortuitous push from the man behind saved us from an inglorious fate at the bottom of the infernal machine. Resolutely we continued up, passing the time by thinking about those 8.01 problems with blocks sliding down inclined planes and gaining a large amount of momentum in the process, and were cheered up. After two more pushes, we finally reached the top, and felt as if we had just climbed Everest.

Once in the station, we noticed the large number of people gathered at track 14 to await the Yankee Clipper. Since the crowd for the train seemed

(Continued on page 4)

Religious Program

(Continued from page 1)

ities department as an instructor of courses of a religious nature.

A group which will work closely with this man is the new interfaith council, which is currently being organized through the guidance of the

religious action department of T.C.A. This group will probably be related to the new chaplain in much the same way that the Athletic Association is related to the Director of Athletics. The membership of this group will consist of one representative from each of the various religious groups on campus.

THEY STARTED OUT EVEN AT GRADUATION:

Why is one doing better now?



You may not see it in their outward appearances — but there's a big difference between these young men. One has held three jobs in the five years since graduation. He's still looking for a job that offers him a lifetime career. The other has been with a Bell Telephone Company during that time. He's on his way up!

Seventy-five per cent of college men hired by the Bell Companies since World War II are still with these telephone companies after five years! Here's why:

Telephone Work Is Interesting — You may train to supervise forces engaged in constructing, installing or maintaining telephone facilities; or to manage groups of people handling customer contact, accounting or statistical work. You may work on engineering problems or be engaged in planning or other important staff activities, such as personnel relations, public relations, or revenue studies.

You Grow with a Growing Business — The Bell System is one of the fastest growing businesses in the world. Since the end of World War II, it has spent about nine billion dollars for new construction. The past five years have seen the introduction of network TV transmission, dialing of Long Distance calls, and the development of the remarkable transistor. And the next five years will bring many more changes. In addition, each year the number of college people hired is related to estimates of the number of future management positions to be available.

No matter what your military status, it's worth inquiring about Bell System employment opportunities. Your Placement Officer has the details. See him soon. And be sure to talk to our employment representatives when they visit the campus. The time to plan your future is now!

BELL TELEPHONE SYSTEM



N.H. Five Nips Engineers, Despite Schultz' 22 Points

by Olaf Stackelberg '55

Captain Al Schultz '54 scored 22 points as the Tech Basketball squad went down fighting at Durham, N. H., to their third consecutive loss. The Wildcats of the University of New Hampshire preserved an undefeated season with the 83-71 victory.

Considering that U.N.H. entered the game as the ninth seeded team in New England, the Beavers more than mildly surprised the crowd by offering strong opposition. It was undoubtedly the best game the squad has played this year. Weaknesses which were so prominent in the Trinity and A.I.C. games seemed well

ironed out. This astonishing and most welcome change renewed old hopes for a successful season.

Unfortunately for the Techmen New Hampshire's quintet indicated to all viewers why they held the ninth spot in New England. In successful shooting, a far above average 57%, aided the Wildcats to victory. The Beavers dropped 47% of their shots through the loop in the same stanza, also much above average.

Both squads started fast in the initial quarter. Midway into the period, the score stood at 11-10 in favor U.N.H. Three quick baskets and a foul gave the Wildcats a seven point advantage, 19-12, with one minute left. The quarter ended 21-14.

Both teams scored heavily in the second period, with U.N.H. collecting 31 marks to Tech's 22. The Wildcats were very successful in rebounding under their own backboards, while the Beavers were unable to control the offensive board nearly so well as they did their defensive one.

Coach Whitelaw introduced a zone style defense which worked well in containing the opponents. In the third quarter, this defense tightened somewhat and kept the scoring down to normal. The Beavers began to show their scoring punch with four minutes left in this period, 21 points behind, 42-63. Some well executed plays and good rebounding by Al Schultz cut

(Continued on page 4)

Squashmen Lose To Harvard, 8-1, For First Defeat

A well-balanced Harvard College squash team ended Tech's dream of an unbeaten season by defeating the Summersmen 8-1, at Harvard's Hemenway gymnasium.

In the final analysis, Harvard's greater depth proved to be the difference. Although the Tech men were keyed up for a win, they failed to cope with the Crimson's experience and ability.

Rudzinski Excels

Co-captain Paul Rudzinski '54 moved into the collegiate limelight, as he rallied from a 12-8 deficit in the fifth game to capture a hard-fought 3-2 win over Haddon Tomes, Harvard's number one man. If Rudzinski can retain this fine form, he should be seeded high in the intercollegiate ranks this year.

Hugh Harriman '54, Walt Stahl '56, John Melavas '54, and Bob Warshawer '54, played fine squash in taking games from their opponents, but couldn't win the crucial points which meant the match in each case. Harriman suffered a sprained ankle in the fourth game of his match and was forced to default. In other matches Paul Goldin '54, Hossein Nasr '54, and Raphael Morales '55, went down to 3-0 defeats before far superior play.

The squashmen will face three strong opponents in the coming weeks before finals as they meet Yale, Amherst, and Williams. The Yale match will be played this Saturday at New Haven. The squashmen hope to rebound from the Harvard defeat, but face a well-rounded Eli squad, which boasts no outstanding players but good overall depth.

Student Conference

(Continued from page 1)

operatives, student governments, student newspapers, and other aspects of student life, while the remaining four team members, experts in technical skills, will encourage the initiation of village projects by Indian and Pakistan students.

NSA has taken a large measure of the responsibility of implementing the Students Mutual Assistance Program, established at the Stockholm Conference. It has sent four representatives to Asia to investigate the conditions of students and their organizations. Its recommendation to this year's Conference is based on this study.

Letter Program

NSA is planning again to conduct an International Correspondence Exchange Program. The purpose of this program is to enable students to communicate with their counterparts in all areas of the globe. The Wayne University Student Council is undertaking the operation of this program for the coming year. While American students have showed greatest interest in communicating with students in France and England, NSA hopes that there will be an increased emphasis on letter exchanges with the Far East, Middle East, Southeast Asia, and other areas. All persons interested should forward their name and choice of country to: Miss Ann Keller, NSA International Correspondence Exchange, Box 415, Student Center, Wayne University, Detroit, Michigan.

Celanese

Interviewing on Campus

Monday, January 11

Celanese, a leader in the expanding fields of chemical fibers, plastics, and chemicals, can offer outstanding career positions to qualified graduates. If you will receive a degree in . . .

Bachelors

Chemistry	Physics	Metallurgy
Chemical Engineering	Mechanical Engineering	Textile Engineering
Industrial Engineering	Electrical Engineering	Business Administration

Masters

Doctors

Chemistry

Organic Chemistry

. . . you are invited to see the Celanese representatives

Dr. Wm. L. Evers, Mr. J. H. Smithson, Mr. S. B. Sprague

for further career information.

Contact your Placement Office today for an appointment
Ask for a copy of our brochure, "Celanese Careers"

CELANESE CORPORATION OF AMERICA

31,000 ACTUAL STUDENT INTERVIEWS SHOW COLLEGE SMOKERS PREFER LUCKIES TO ALL OTHER BRANDS!

Latest extensive nationwide survey, supervised by college professors, proves Luckies lead again!

In 1952, a survey of colleges throughout the country showed that smokers in those colleges preferred Luckies to any other cigarette. In 1953, another far more extensive and comprehensive survey—supervised by college professors and based on more than 31,000 actual student interviews—once again proved Luckies' overwhelming popularity. Yes, Luckies lead again over all other brands, regular or king size . . . and by a wide margin! The number-one reason: Luckies' better taste!

LUCKIES TASTE BETTER
so Be Happy-GO LUCKY!

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PRODUCT OF The American Tobacco Company AMERICA'S LEADING MANUFACTURER OF CIGARETTES



WMIT Theft

(Continued from page 1)

make a formal complaint to the Institute Committee Judicial Committee. Up until the time of going to press no official complaint had as yet been made to Thomas Henderson '54 head of JudComm, but Henderson stated that an investigation would get under way as soon as the complaint was received.

WMIT was kept on the air during the vacation by its classical music director, David Sternlight '54, who broadcast from his own room by running a wire from his turntable and amplifier down to the station. As a large part of the stations cash resources are now tied up in expansion projects on West Campus, the money required to replace the stolen equipment will have to come from some source outside of the station.

The Institute has agreed to underwrite up to \$500 worth of credit for the station, with the final source of the money to be determined sometime during the week by conferences between Mr. Malcolm Kispert, Assistant to the President, and members of student government.

\$400 of the \$500 credit has already been spent to buy a new turntable and pickup, enabling the station to carry on its regular schedule of broadcasting without any interruption.

Killian Statement

In addition Dr. Killian made the following statement to a representative of *The Tech* Sunday: "If WMIT wishes to bring up the question of its present emergency before the Undergraduate Budget Board, I am sure it will receive the most sympathetic at-

Basketball Game

(Continued from page 3)

the lead to 17 points at the three quarter mark.

In the final quarter, the Cardinal and Gray edged to within nine points of their opponents in a remarkable six minute drive, 73-64. The substitutes handled themselves commendably.

Along with their captain, Gifford Weber '55, Tech's most consistent scorer, and Carl Hess '55, also hit double figures. Weber dunked six baskets and four free throws for 16 points, while Hess netted 11 markers.

B.U. will oppose the Beavers at Walker Memorial on January 7. Should the squad perform as it did against New Hampshire they should win handily.

U.N.H.	F.G.	F.T.	T.P.
Parker	6	2	14
Michel	3	3	9
Emery	4	2	10
Trudel	2	1	5
Pappas	11	4	25
Bishop	4	1	9
Wheeler	2	0	4
St. Angelo	1	2	4
Barlow	0	1	1
McKean	1	0	2
	34	15	83
M.I.T.	F.G.	F.T.	T.P.
Schultz	9	4	22
Weber	6	4	16

tention of that body." The Undergraduate Budget Board, headed by Mr. Kispert, passes on all monetary questions bearing on undergraduate life.

Hess	4	3	11
Britt	0	2	2
Christie	1	3	5
Dix	0	2	2
Byrnes	2	2	6
Friedman	1	0	2
Platzman	2	0	4
Paternio	0	1	1

	25	21	71
1	2	3	4
U.N.H.	21	31	16
M.I.T.	14	22	15

Lounger

(Continued from page 2)

to fill up about half the station, we decided that track 14 was not the place for us. So we stationed ourselves at track 10. "Techmen know all the tricks," we thought. But our dreams of getting on the train before the engineer were shattered when a railroad policeman came up to the gate from the other side, and with a sadistic grin shouted through the gate, "New York train on track 14," and then closed and locked the gate.

Our searches for another gate proved fruitless, so we were finally forced to station ourselves with the mob at track 14. As a result, we ended up on the train seated next to an old lady from Baltimore who amused us no end by telling all the details of her sister's trip to Europe. Damned fascinating, those cathedrals!

We arrived in New York a mere hour behind schedule. Pushing through the horde of outbound commuters who lined the platform, we noticed an advertisement for the railroad. "Ride the New Haven — Safe, Convenient, Always On Time," it read. "Merry

Great Dome

(Continued from page 1)

suspended electrical lighting unit ever installed. They call it a "chandeluminaire."

According to its designers, Professors Lawrence B. Anderson and Herbert L. Beckwith of the Department of Architecture, this huge lighting fixture was designed to fulfill five objectives: (1) to keep the dome, which to many symbolizes the Institute externally, clearly defined as a dome when one is inside the building; (2) to avoid means which would require frequent painting of the dome, because of the great amount of expensive scaffolding needed; (3) to maintain a level of illumination highly satisfactory at table top reading levels; (4) to substantially reduce the reverberation of the room; and (5) to compress the great size of the original space to a smaller scale, more friendly and less distracting.

The present dark floor and furniture are eventually to be replaced with lighter shades to blend more completely with the brightness of the new ceiling fixture.

Proved Effectiveness

The cloud spectrograph proved its effectiveness this fall in a month's operation by Mr. Eldridge on Mount Washington, the highest point in New England and one of the stormiest mountains known. That location was chosen, the meteorologists explain, to assure plenty of clouds in which to work.

Future development of the cloud spectrograph, Professor Kelly and his associates believe, will be toward an airborne instrument of greater accuracy and dependability than the present experimental model. An airborne cloud spectrograph, carried on successive passes through a cloud, could get the full life history of that cloud from its first appearance to its maturity as a rainstorm without any of the side effects which may occur as a cloud passes over a mountaintop. Such a history of the hour-by-hour and minute-by-minute changes in cloud drop size and number is necessary to a full understanding of when and why it rains.

Christmas, New Haven Railroad," we shouted, and proudly marched through Grand Central.

—P.W.A.

bert L. Beckwith of the Department of Architecture, this huge lighting fixture was designed to fulfill five objectives: (1) to keep the dome, which to many symbolizes the Institute externally, clearly defined as a dome when one is inside the building; (2) to avoid means which would require frequent painting of the dome, because of the great amount of expensive scaffolding needed; (3) to maintain a level of illumination highly satisfactory at table top reading levels; (4) to substantially reduce the reverberation of the room; and (5) to compress the great size of the original space to a smaller scale, more friendly and less distracting.

The present dark floor and furniture are eventually to be replaced with lighter shades to blend more completely with the brightness of the new ceiling fixture.

THE COLLEGE DANCE CLUB

Want a date? A good time? You will have both at the College Dance Club Dances held every Friday night at the Hotel Kenmore and every Saturday at the Harvard Club. Attendance is restricted to college students, graduates, and their guests. One must be a member to purchase a ticket. Membership cards may be obtained after proof of educational status is submitted, i.e. college ring, bursar's receipt, library card, etc. Membership is co-ed. Just ask a member. The dances are loads of fun. This will be the eighth wonderful year.

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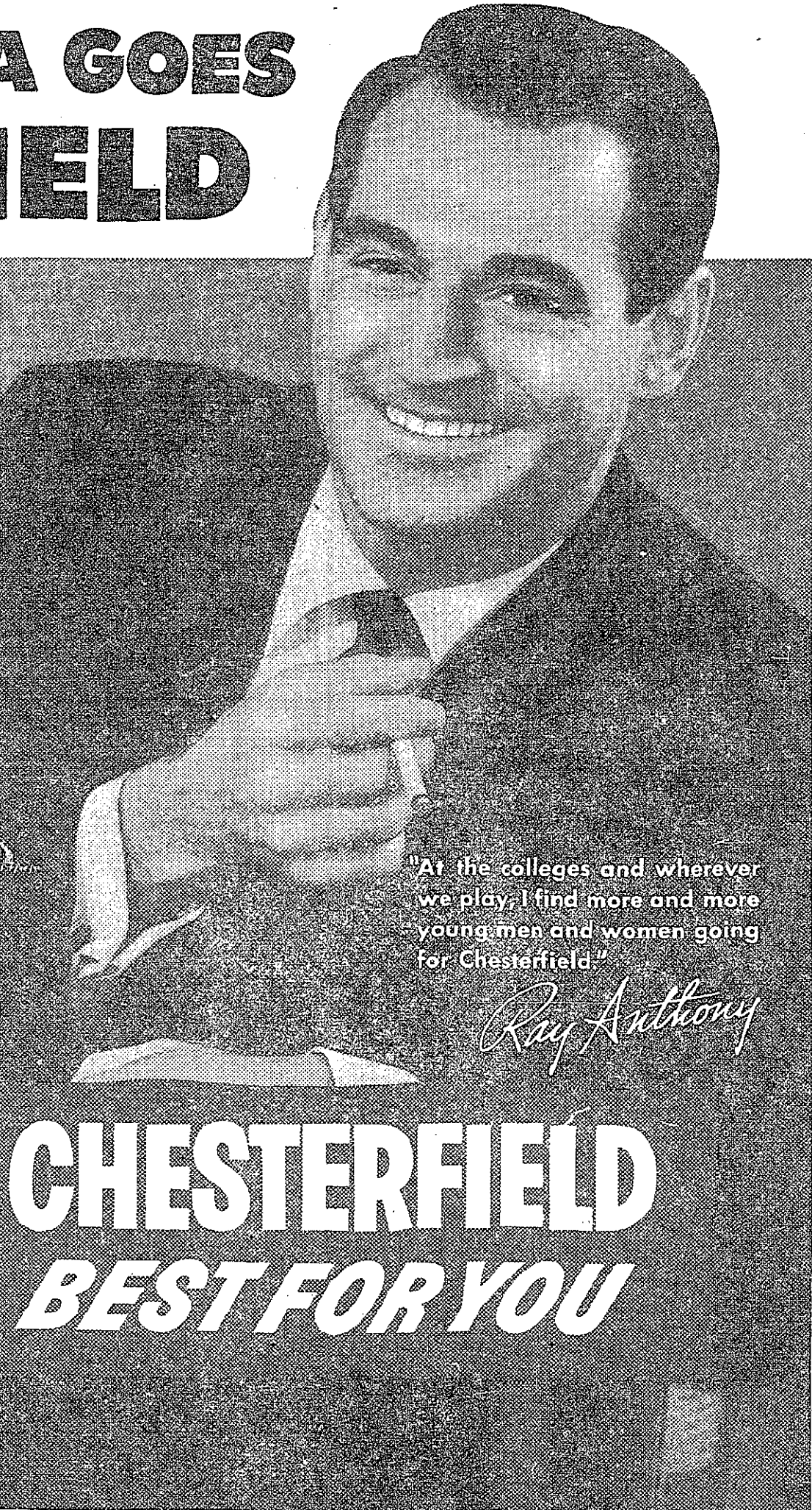
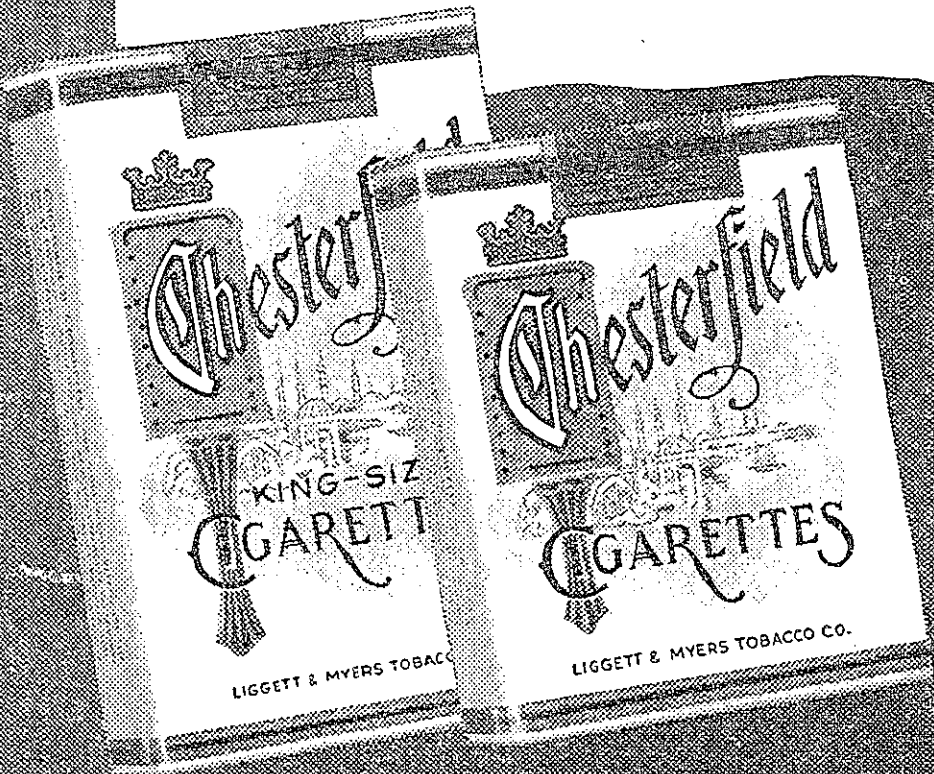
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